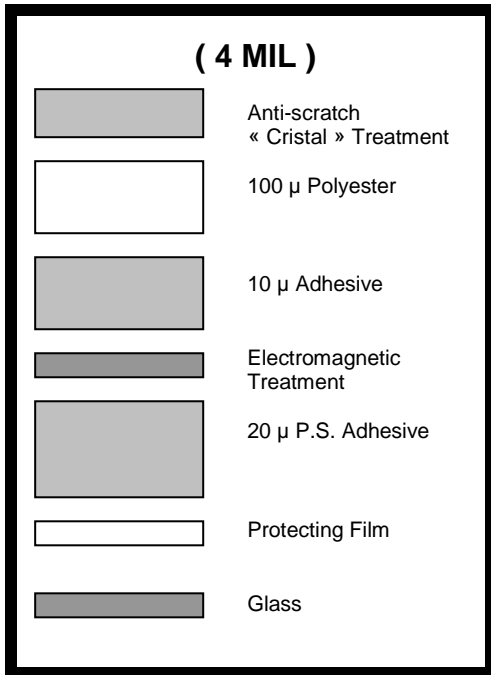


## 9. TECHNICAL SPECIFICATIONS FOR SECURITY FILMS & IMPACT RESISTANCE TESTS

A. TECHNICAL SPECIFICATIONS: CLEAR 4C / CLEAR 7C / CLEAR 8C / CLEAR 12C :

### COMPOSITION OF THE CLEAR 4 C FILM



**TECHNICAL CHARACTERISTICS**

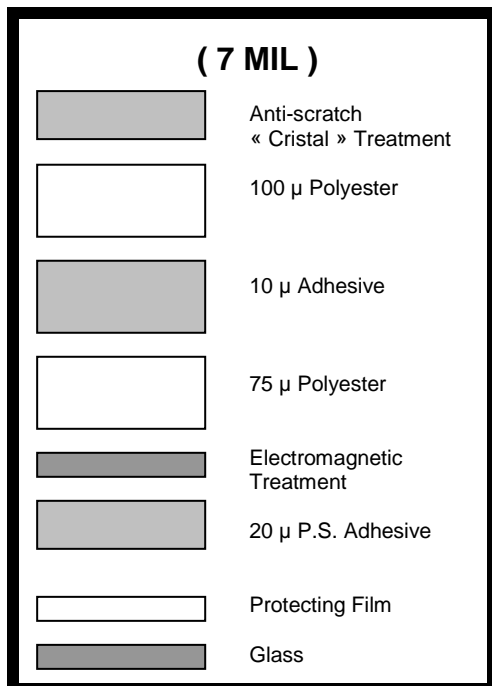
Visible light transmission	84%
Visible light reflection	9%
UV Transmission (see spectrum)	5%
Solar Energy Transmitted	82%
Solar Energy Reflected	10%
Solar Energy Absorbed	8%
Shading Coefficient	0.94

**PHYSICAL PROPERTIES**

Film Thickness	100 microns
Film Structure	Polyester
Break Resistance	28,50 kg/mm <sup>2</sup>
Break Displacement	125%

- ✓ Excellent chemical resistance against acids, solvents etc.
- ✓ Excellent fire resistance (see M1 classification in SNPE report)
- ✓ "2B2" classification obtained on pr EN 12600 impact resistance test

### COMPOSITION OF THE CLEAR 7 C FILM



**TECHNICAL CHARACTERISTICS**

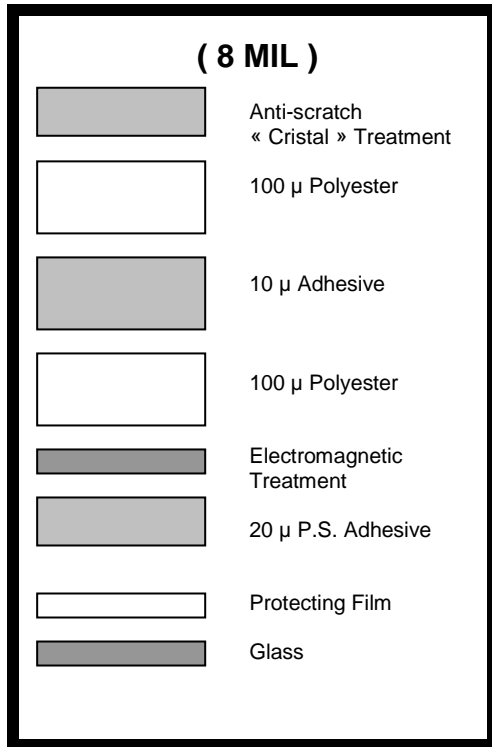
Visible light transmission	84%
Visible light reflection	10%
UV Transmission (see spectrum)	1%
Solar Energy Transmitted	82%
Solar Energy Reflected	10%
Solar Energy Absorbed	8%
Shading Coefficient	0.94

**PHYSICAL PROPERTIES**

Film Thickness	175 microns
Film Structure	Polyester
Break Resistance	40 kg/mm <sup>2</sup>
Break Displacement	125%

- ✓ Excellent chemical resistance against acids, solvents etc.
- ✓ Excellent fire resistance (see M1 classification in SNPE report)
- ✓ "1B1" classification obtained on pr EN 12600 impact resistance test

## COMPOSITION OF THE CLEAR 8 C FILM



**Total Thickness : ± 230 µ**

### TECHNICAL CHARACTERISTICS

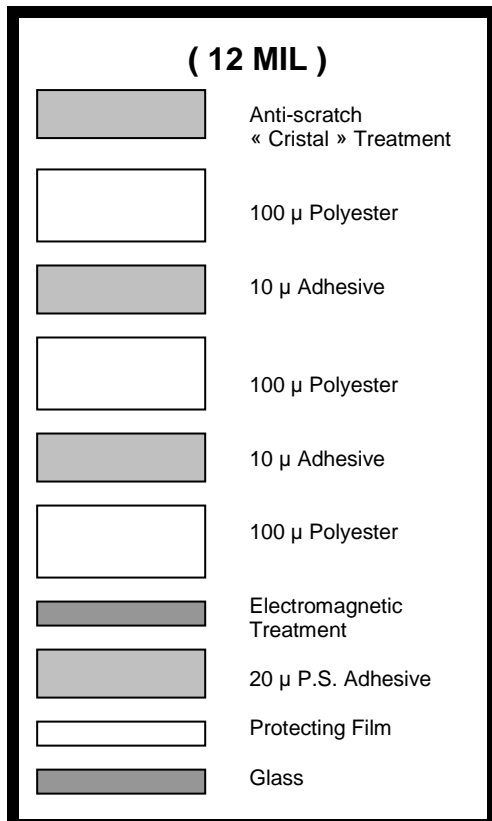
Visible light transmission	84%
Visible light reflection	10%
UV Transmission (seespectrum)	1%
Solar Energy Transmitted	82%
Solar Energy Reflected	10%
Solar Energy Absorbed	8%
Shading Coefficient	0.94

### PHYSICAL PROPERTIES

Film Thickness	175 microns
Film Structure	Polyester
Break Resistance	40 kg/mm <sup>2</sup>
Break Displacement	125%

- ✓Excellent chemical resistance against acids, solvents etc.
- ✓Excellent fire resistance (see M1 classification in SNPE report)
- ✓“1B1” classification obtained on pr EN 12600 impact resistance test

## COMPOSITION OF THE CLEAR 12 C FILM



**Total Thickness : ± 340 µ**

### TECHNICAL CHARACTERISTICS

Visible light transmission	92%
Visible light reflection	10%
UV Transmission (see spectrum)	1%
Solar Energy Transmitted	81%
Solar Energy Reflected	10%
Solar Energy Absorbed	9%
Shading Coefficient	0.93

### PHYSICAL PROPERTIES

Film Thickness	300 microns
Film Structure	3 x 100 polyester
Break Resistance	85.50 kg/mm <sup>2</sup>
Break Displacement	125%

- ✓Excellent chemical resistance against acids, solvents etc.
- ✓Excellent fire resistance (see M1 classification in SNPE report)
- ✓“A1” classification obtained on VDS D-Köln impact resistance test